## MORE TRIANGLE ANSWERS

Bridge problem No. 340, by S. C. Kin sey, the dance of the four queens, had a number of twists to it in the defence, but all of them could be met by proper discarding on the part of Z. Here is



A & 8 7 Is in the lead and Z want all eight tricks agains ny defence. The solution is for Z to start with the

gueen of trumps, which A may either cover or pass. The favorite defence seems to be to pass, and the best dispard for B is a small spade.

Z, being left in the lead, follows the queen of trumps with the queen of hearts. Y must overtake this queen with the ace, so as to lead the ace of

trumps and pick up A's king. B has to make another discard on this trick. As B cannot afford to unguard the earts or the spades, his best play seems to be to give up the king of diamonds, as A still protects that suit. Z discards a small diamond. When Y ads his last trump B is in trouble.

B keeps two spades Z can make after Y has made the ten of ades, as Z will discard the diamond, keeping only the queen for a reentry.

If B lets go a heart Y can make two nore heart tricks and force another liscard from B, and at the end Z will be left with two queens, both good for If B keeps the hearts Y makes the

Sack of hearts while he is in the lead, reduces the pieces to four. Here is the and Z discards a spade, leaving himself formula: with the queen and another diamond and the spade queen. This allows Y to make a trick with the ten of diands, which Z allows to win, and ther to lead a spade, discarding the losing heart on the queen of diamonds.

If B holds on to the king of diamonds he must either give Y three heart tricks or Z three spades. No matter what B does, Z is always behind him, and can adjust his discards to fit the situation that B leaves, because if B blanks the spade jack, Z can afford to overtake Y's ten with the queen.

If A covers the first trump lead, Y

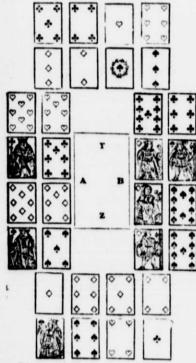
wins with the ace and picks up A's eight of trumps at once, so as to get an imme-diate discard from B, before starting the hearts. On these two trump leads B must make up his mind whether to keep the king of diamonds or unguard

will lead two rounds of hearts, acc third heart if B has unguarded that suit. divided If B keeps the hearts, Y will lead a and H. third round of trumps.

At this stage Z is down to two guarded queens, and B's discard will show Z which suit to keep, the king of diamonds being out of the way and Y still in the lead to make the small heart, if B discards that suit on the third trump.

Here is something from a composer.

Here is something from a composer who has not been heard from for some time, but whose problems always com mand attention of the cracks. There seems to be a tacit understanding among the aspirants for the honor list that any osition submitted from Prescott, Ariz even after the solution has been found. BRIDGE PROBLEM NO. 342.



There are no trumps and Z is in the ad. Y and Z want five tricks against defence. The distribution of the any defence. Y has the ace six of hearts, five four

of clubs, three deuce of diamonds, acc and three of spades. A has the eight seven of hearts, king

even of clubs, eight seven of diamonds, king and five of spades.

B has the nine six of clubs, king queen fack of diamonds, fack ten nine

of spades, no hearts, Z has the four of hearts, are of clubs, ace six five four of diamonds, queen and

CHECKER ENDINGS. The twin problems No. 340 and 340a formed an excellent finish to the summer training course for beginners and should furnish some of the cracks with a few valuable hints as to the management of the Old Fourteenth.

The distribution of the pieces in the

problem, No. 340, was: on 17, 21 and 23; king on 27; men on 5, 28 and 29; king on 19. Black to play and win. Here are the moves that solve, as they actually occurred in crossboard play:

31-22 A28-24 22—18 24—19 17—22 B 5— 1 wins as played across bord.

Λ.

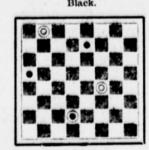
B wins by "first position."

The distribution of the pieces in the second problem, No. 340a, was: Black men on 1, 2, and 12; kings on 8 and 30. White men on 5, 9, 17 and 20; king on 10. Black to play and win. Here are the moves that soive, as played across

White A 9— 6 17—13 10— 1 13— 6

At "A," if white plays 17-13, then black's reply, 2-7, gives him an easy win, on account of the confined position same is true if white plays 10—15, as black takes immediate advantage of the cramped position of the three

which looks as if it might catch a few PROBLEM NO. 342. CHECKERS.

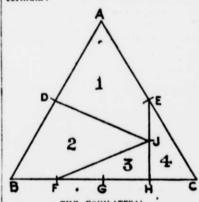


White to play and draw.
The distribution of the pieces is:
Black men on 7 and 13; king on 26.
White kings on 1 and 19.

THOSE TWO TRIANGLES This little puzzle seems to have attracted a good deal more attention than its originator, W. G. Berry, expected, and many attempts at reducing the number of pieces to less than five have been

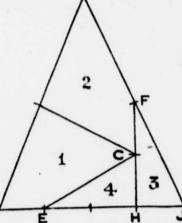
received by THE SUN during the past week, but only one is sound. The problem was to cut up an equilateral triangle in such a manner the pieces might be transposed to form an isosceles triangle, whose height should be equal to one of the sides of the equilateral, the solution sought being the smallest number of pieces that would accomplish this. The composer's solution required five, and no one could do it in less.

Schenectady. triangle and cross, were published in this column not long ago, who offers a solution to Mr. Barry's problem that



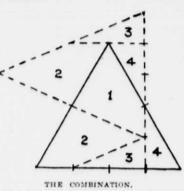
THE EQUILATERAL. Given the equilateral triangle ABC first, so as to retain the lead, no matter the sides are first divided into two equal what B does, and will go on and make a parts at D and at E. The base is then divided into four equal parts at F, G

After joining E-H the line is bisected



THE ISOSCELES. It is obvious that if the height the point F is just half the length of one side of the isosceles it must be half the height of the triangle. Therefore twice the length, F-H in the isosceles, would be equal to twice F-H in the equilateral, or the base, which is the proportion required; height equal

If the height of piece No. 4 is E-H in the equilateral it is half the height, and it is half the base in the isosceles. which is the proportion required. That the remaining pieces will fit is obvious we take the two triangles together,



Sayies suggests a very instrutive little puzzle in geometry would be well known that carpenters, builders, masons and any mechanics that wish to lay out a right angle without the use of a square employ the for-mula 3, 4, 5, laying it out with a rule or tape measure to any required size. This gives one right angle, at

FOUR

Take a triangle of these dimensions 3, 4, 5, and cut it into the fewest num-ber of pieces that will form a perfect square.

Family Includes 54 Voters. SAN FRANCISCO, Aug. 28 .- Thomamessenger h Collector of Customs, is the venerable head of a family of fifty-four voters, to say nothing of scores of grandchildren and several great grandchildren.

**WEAK TAKEOUT BIDS** AT ROYAL AUCTION

Nothing Short of Game or Salvation of Partner Good Rule in General.

SOME RECENT EXAMPLES

Every bid at auction has an answer.

Every declaration requires some expression of approval or disapproval from the partner. One of the most important of these expressions is silence; another left to play it, as B did not feel equal to the tokeout.

As we have seen in previous articles, As we have seen in previous articles, when the partner bids no trumps he does so more with a view to showing general assistance for a safer declaration than with any idea of playing the hand at no trumps. The trouble with most beginners is that they will be the tried the diamonds and dummy storms or be cut from rocks, as is proposed by the proposed on the proposed with most beginners is that they will B then tried the diamonds and dummy not bid no trumps unless they want led the trump, which B had to win over

to play the hand themselves.

There are three principal answers to the no trump bid. The first and most important is the takeout, with five the property of the control of which may mean that the partner is perfectly satisfied with the bid, or that he cannot do anything better. The third is the warning; the brief notification to the declarer of no trumps game hand in spades for B. that he is in wrong.

ing for it should be clear to any per-son of ordinary intelligence that there is not much hope of winning the game are two examples of this error in both on a bid of one no trump if the dummy its aspects: has not a single trick in his hand. If the no trumper is strong enough to go game without any assistance from the dummy, the original bid should have been two or three. If it is only an average assisting hand, protected in three suits, declared as an offer to assist a declaration in a major suit, and the partner has no such declaration, one of two conditions must exist. He can help the no trumper with a trick or two, or he has not a trick in his

Now comes Harry A. Sayles of anywhere and no five card takeout in chenectady, whose very ingenious a major sult he should let the no trumper alone. When he has not a a major suit he should let the no trumper alone. When he has not a trick in his hand he should warn the declarer of that fact at once (if the second hand passes), and this warning is called the weak takeout which is attuctive. is called the weak takeout, which is structive, governed by the following rule:

second hand passes, and you have not the spades the diamond would probably a trick in your hand, call any five card be about right. Z won with the king and suit. This includes the call of a major suit, but extends it to the minor suits, clubs and diamonds. The takeout in the major suit may be from great strength. The takeout in the minor suit is invariably from nothing at all.

The point for the beginner to remember is that if the clubs or diamonds are strong; if there are any sure tricks in the suit, the rule does not apply, because it is only when there not apply, because it is only when there suit as a takeout of the partner's no trump.

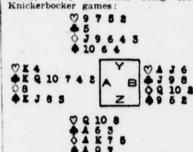
The reason for refusing to take the

declarer out of a no trumper with clubs or diamonds is that it is too much to ask the dummy to lay down tricks enough to win the game at clubs or diamonds if he could not have won it

equally well at no trump.

The beginner must be continually reminded that nothing short of game is

The opportunities for weak takeouts

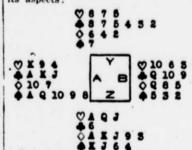


A led the king of clubs, having three honors, and Z held up. B's play is in-structive. He drops his second best club, the nine. This marks him with the jack or ace, but not both. The beginner should study this situation carefully, as it is a 200d example of the value of the Foster echo at no trumps when the third hand makes no attempt to win the trick. If B can be depended on to play his second best, there are two situations possible. sible. B has no more and the dealer holds A J 8 6 3; or, B has one more higher than the nine. With five to the ace jack, Z would have no hesitation

Here is a curious example of a no trump bid and a weak takes in rightening the opponents out of a same hand. Although the dealer's hand was a king above average he was rather weak in two suits and the cards lay badly for

going game in spades with a no trumper on his left.

and Z made all the rest of the tricks by One of the greatest mistakes a player If it is admitted, as it is by all can make is to take the partner out of a no trumper with clubs or diamonds ning or saving the game is worth play- when he is strong in them and an equally

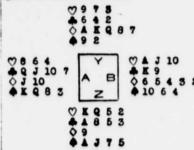


Y argued that his partner could not If your partner bids no trump, and the very strong in hearts, and as A had econd hand passes, and you have not the spades the diamond would probably

> which Z trumped. The ace of diamonds came next, followed by a small one, and A discarded the best club, so that dummy might win the diamond and lead trumps again, which he did, but the jack of trumps forced A's ace, and the king of trumps made, setting the contract for

At the tables at which A passed and Y took Z out with two clubs A felt comthe hand be played at clubs. As we have seen, the spade contract will be set. Against the club contract at one table B led a small heart and A went back with two rounds of spades, thinking his part-ner might be short, as dummy was long.

At one table Z made the mistake of



SEA A RICH MINE YIELDING POTASH

Continued from First Page.

problem can be satisfactorily solved if the work is energetically undertaken.

The chemical and agricultural jourrais have recently given attention to the available sources of supply, and these show that large mineral deposits like those of Strassfurt in Germany do not exist. Maryvale (Utah) and Chile, it is true, are able to contribute a certain amount; if, however, advantage is taken of the marine algae which abound on the Pacific coast and in the mid-Atlantic Ocean unlimited quanti-ties of potash can be obtained from the sea. These marine plants yield on incineration high values in potash, and as by-products bromine, iodine and other valuable chemicals derived by destruc-

posed on the Pacific coast, and is actland, where damp weather makes drying difficult and rain removes a large part of the potassium contents.

As an example of the importance of this seaweed derived potash and todine ndustry, Japan exports some \$1,-000,000 worth annually, besides which large quantities are consumed in that country itself. The ash from Japan seaweeds contain 45 per cent of potas-sium chloride, besides bromine and to-

Gale, an authority on the subject, is

the opinion that seaweeds are output of kelp (dry seaweed) and two important Scottish firms are engaged this season in collecting it on the north-Seaweed contains on an average 80.44

per cent, of water, 9.25 per cent organic matter (equal to .45 nitrogen) and 10.31 per cent. of ash (potassium 1.95 per cent., phosphoric acid .47 per cent., according to Macadam).

The giant kelps of the Pacific Ocean

lose 85 per cent. of water in drying and then contain from 10 to 15 per cent. of potash (5 per cent. of phosphoric acid and 1 per cent. of nitro-Green seaweed is too bulky to be profitable for fertilizing, but the possi-ble resources of the Pacific are esti-

mated to be 50,000,000 tons annually. Balch (Journal of the Pharmaceutical Society, 1910) says that one ton of the air dried kelp from the Pacific eiga yields. 500 pounds of potassium carbonates and 3 pounds of iodine and suggests that it be dried until it can be com-pressed into hales and carbonized to a point where the carbon is rendered in-soluble and lixivated. The Algae nereocystis and macro-

land Islands in the Antarctic Ocean, so that there is no difficulty in obtaining weeks are employed in the process. Supplies. It could easily be swept to-

fish, the destructive distillation of the dried weed would furnish not only ammonia but similar pyroligneous prod-

The opportunities for weak takeout are very common and it should not be difficult to find a number of cases to which the rule would apply in the course of any evening's play. Here are a few examples gathered from various duplicate matches during the past winter, three of them being from Knickerbocker games:

\*\*The opportunities for weak takeout and went back to clubs, and as he had all the other suits proud to find a number of cases to which the rule would apply in the course of any evening's play. Here are a few examples gathered from various duplicate matches during the past winter, three of them being from Knickerbocker games:

\*\*The opportunities for weak takeout and went back to clubs, and as he had all the other suits of those obtained from wood and year. A properly equipped organization would have tugs, floats on which a stage or drying area could be built; smaller and incombustible floats and stages or drying area could be built; smaller and incombustible floats and stages or drying area could be understood that the floats of ming the dry show that storms are look, upon which B dropped the ten, and have a look upon which B dropped the ten, and have a look upon which B dropped the ten, and being marked in his hand if he was ploaded by a look of the club sack. B was sufficiently alive to the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to show the situation to overtake it and lead to

method is recommended. Fowls will generally pure for fertilization, and even to separate the still more valuable bromine and iodine if necessary.

The entire industry could be carried on at sea while protected under the American flag; it would be exempt from much taxation, have no rent, and the expenses would be limited to those concerned in the work and maintenance of the necessary floats for the rafts, tugs, cranes and sea rakes for collecting the alga. Labor could be procured easily and suitable arrangements made for housing and feeding the laborers in an inexpensive manner. This would be far cheaper than shore collection, which requires cutting and much manipulation, and it is not likely that this alga would pay to bring to land, even if compressed. There applied to enable the fowls to see to eat place the still more valuable brommine and iodine if necessary.

The entire industry could be exempt from much in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the effect of panels of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produced in pen fattening is generally make somewhat smaller gains in pens than in crates. The quality of the flesh produc ace jack, Z would have no hesitation about winning the king.

This inference led A to going right along with a small club, but Z still held off. The third round Z won and tried to drop the diamonds. As soon as he found the queen with B, he went right on with a third round, as B had no more clubs or A had only five.

Likely that this alga would pay to bring to land, even if compressed. There appear to be few, obstacles to its being dried at sea, the latitude in which these davantage to have the pen somewhat this as a warning that there was not a trick in the hand, so he let it go at diamonds, and B led the ten of a third round, as B had no more clubs or A had only five.

FATTENED POULTRY **BEST FOR MARKET** 

Easy to Increase Weight and Get Better Price Feeding in Crates or Pens.

CAN ADD POUND A WEEK

By Dr. T. J. CLEMENS,

Poultrymen will never be able to real ize the largest returns on their product until they have made a careful study of the market and have learned how to sell to the best advantage. Skill in selling is just as necessary as the production high grade poultry and its preparation for market in the best possible way. The individual producer must care-

fully study his own market and learn its exact needs. His profits will depend in a large measure on the methods will take to supply the peculiar demands existing in his own market. It is essential that the poultryman cultivate acquaintance of many of the dealers and consumers who handle his products and win their confidence. Not until he has done this is he really in a position to sell his product to the best advantage. Probably the bulk of market poultry is sold through commission houses and it often pays to sell even high grade poultry in this way, seeking a which has a reputation for catering to an exacting particular trade. The ten-dency of producers to sell to home buy-

courages the production of high grade poultry. Many producers find customers among high class hotels, restaurants, clubs, summer resorts, &c. Local markets are often well worth cultivating. There are many people in the smaller towns and who have had no opportunity to learn what specially fatted poultry is like and who will be regular customers at good prices when they learn the dif-ference between the tender, juicy meat of the carefully prepared, especially fed

ers at any price instead of shipping direct to the better markets results in

low prices and small profits and dis-

fowl and the dry, tasteless poultry of the ordinary market. It never pays to market poultry in this condition. The producer who sells poor fowls loses in the lower market received for the entire carcass. He loses the profit which he might realize on the extra fiesh that could be added at a cost of one-third or less of its market value. He loses indirectly through the reduced consumption result-ing from lack of quality, which makes it more difficult to sell his products in sweet skim milk or buttermilk.

the future.

Corn is the most popular fattening
It is a waste of money and a loss of food in America. It is cheaper than any tine to attempt to market range fed to attempt to market range fed fowls. Their flesh is tough, coarse grained and lacking in flavor. It is next to impossible to build up a reguerous fed alone it does not produce as

The Algæ nereocystis and macrocystis, seaweeds of the Pacific, absofb far more potash than soda; the stems yield chiefly potash, and when impossible to build up a regular trade in this class of poultry.

Table poultry produced by ordinary fattening is much better than the ordinary grades, although most of the fattening is not of the highest order. By this method the gains secured during the period of 135 hours.

The well known Alga sargassum bacciberum exists in such dense masses between the Azores and the West Indies that its location is only slightly modified by the central whirl of the Gulf Stream. Similar algae are found is anot be secured without longer lish cannot be secured without longer principal diet. Oat fed fowls not opicion as fed alone it does not produce as good quality of meat as when fed with other ground corn or cornmeal mixed with oats or wheat middlings makes an ideal fattening food. Where the period of a week or ten days are liable to be yellow in color and the fat globules are not evenly distributed the highest finish cannot be secured without longer principal diet. Oat fed fowls not opicion as fed alone it does not produce as good quality of meat as when fed with other ground corn is read as when fed with one good quality of meat as when fed with other ground corn or cornmeal mixed with oats or wheat middlings makes an ideal fattening food. Where the period of a week or ten days are liable to be yellow in color and the fat globules are not evenly distributed throughout the tissues. Guif Stream. Similar algae are found is cannot be secured without longer off the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of Lower California and the Falk-half fatted fowls, as distinguished from the coast of the coa

the game or to take the partner out of a contract on which he would be set.

A won the trump lead that followed with the jack, but did not know what the partner of the tests to which this weak takeout has been put there are still many persons who do not believe in it, and there are a number of otherwise good players who insist that they would rather be left to take their medicine at no trumps than to be warned by a wak takeout. This is led the ace and another diamond. Dummy led another diamond. Dummy that they would rather be left to take their medicine at no trumps than to be hardly just to the partner, who may the trick and knocking the trumps to
the game or to take the partner out of a contract on which he would be short, as dummy was long. This allowed Y to discard a heart.

A won the trump lead that followed with the jack, but did not know what to do next, dummy presenting a difficult proposition to lead up to. He led the diamond, to prevent another trump lead, but dummy led a small spade and Y trumped it, leading a trump. A won this trick and led another diamond. Dummy led another diamond. Dummy that to be hardly just to the partner, who may the trick and knocking the trumps to
that there is no difficulty in obtaining to could easily be swept to to deasily be swept to to deat the partner out of the tests to with the jack, but did not know what to do next, dummy presenting a difficult proposition to lead up to. He led the diamond, to prevent another trump lead, but did not know what to do next, dummy presenting a difficult proposition to lead up to. He led the diamond, to prevent another trump lead, but did not know what to do next, dummy presenting a difficult proposition to lead up to. He led the diamond, to prevent another trump lead, but did not know what to do next, dummy presenting a difficult proposition to lead up to. He led the diamond, to prevent another trump lead, but did not know what to do next, dummy presenting a difficult proposition to lead up to lead up to lead up to lead up to lead u their medicine at no trumps than to be trick and led another diamond. Duming seaweed.

Since these algæ afford shelter and hardly just to the partner, who may the trick and knocking the trumps together, so that he just got his contract such as crustaceans, mollusks and small sible head and improving the trick and in cooking food to great quantities of marine life, such as crustaceans, mollusks and small sible head and in cooking the wrapped in parchment paper after such as crustaceans, mollusks and small sible head and improving the distillation of the softening the value of the softening the water in the need to the feath and in cooking the wrapped in parchment paper after this is blended with the flesh, further such as crustaceans, mollusks and small pasteboard boxes, large enough the first and in cooking the wrapped in parchment paper after this is blended with the flesh, further softening the water in the need to the partner, who may have a structure of the such as the partner, and the partner is the flesh of the such as the partner is the flesh of the such as the partner is the flesh of the flesh of the partner is the flesh of the flesh of the partner is the flesh of the flesh of the partner is the flesh of the flavor.

Based. There is not the slightest hope of going game at clubs against a no trumper, but there is almost a certainty of saving the game against it, and a fair chance of setting it.

At some tables Y passed when he should have warned his partner that he should have warned his partner that he had not a trick in his hand. At these had not a trick in his hand. At these tables Z was left to play the hand at not trumper and was set for two tricks, less 30 aces. This is a net loss of 70 points.

A led the king of clubs, having three

along with a small club, but Z still held and Y declared two diamonds. Z took of the third round Z woo and trief to drop the diamonds A soon as he found at the hand, so he let it go a had only five.

Bled the Jack of hearts. Z covered with the founded the hearts and decarded bown to the area of suddes, making there more club tricks, and then he had to lead a spade at the hearts and decarded bown to the area of nearts and led the spade through.

At two tables A was rash enough to trumpe, as Z had a no trumper, and Z returned the suit, after which A though he might as well have them all out. The more than and the he had to lead a spade, which he will have the proposed that the suit after which A though he might as well have them all out. The next the most fore the high a diamond followed, well as the suit of the which A though he might as well have them all out. The next them all out the next round will have of hearts, woo he had to lead a spade, which he had to lead a spade, which he mext round will have of hearts, woo he had a to trumper of that amount. Y led the trump, as Z had a no trumper, and Z returned the suit, after which A though he might as well have them all out. The next trumper for that amount, and led again the hearts and believes the hearts and believes the hearts and believes the hearts and the heart of the suit and the long of hearts, wool had the suit of the suit that will be a source of heart would have the pen somewhat the three more club and the long of the same time. It is an additional that the same and the same time the same and the standards and

POULTRY DIRECTORY

## **Costs More but Saves Money** for Poultrymen

The first cost of RU-BER-OID is a little more than that of ordinary prepared roofings, but the largest poultry farms find it economical to use RU-BER-OID because it does not crack, tear, melt or blow off; because it gives permanent protection with practically no repairs. In roofing your poultry houses, be sure to get

You can tell the genuine by the "Ru-ber-oid Man" shown below, which appears on every roll. Your dealer has it or can et it for you. Be sure to get the genuine. There are more than 300 cheap imitations of RU-BER-OID Roofing.

Free Plans for Poultry Houses Our book "Building a Poultry House", contains complete plans of the best types of poultry houses for both small and large flocks. This and other valuable books are free.

Prof. Mark and mail the Harry R. Lewis Says:

RU-BER-OID Roofing Wears Longer "After having considerable experience with different types of prepared roofings," says Prof. Lewis, of the New Jersey State Agricultural Experiment Stations, "I can safely say that of all I have used RU-BER-OID is superior, as to ease of laying, appearance and durability. In

possible."

Chicago

The Standard Paint Co.

rule it takes about three weeks to

fatten properly the fowls that have been

fifteen or twenty minutes at each feed-ing, after which the surplus should be removed and the trough either removed or turned over. Little grit or green

Corn is the most popular fattening

range.
Food should be left before the fowls

New York

view of these facts it is our policy to use RU-BER-OID wherever Building Book Coupor THE STANDARD PAINT CO. Woolworth Building, New York Woolworth Building, New York lend samples of RU-BER-OID and book rked X. I intend to roof a Building a Poultry House Roofing a Home Building a Home Building a Barn Building a Barn Building Your Own Garage Covering Your Factory Artistic Roofs

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INFORMATION

finely ground oats are often used as the principal diet. Oat fed fowls not only

muscular tissues. Bran is not a good fattening food and

Small pasteboard boxes, large enough to hold one fowl, may be used, as they make neat packages and are

For the average poultryman it must be remembered that a select trade is the most profitable, but this class of trade cannot be held unless the product supplied is first class in every respect and delivered in neat, attractive packages. (Copyright, 1915.)

## CONNECTICUT HENS PASSED BY ENGLISH

Barron's Leghorns Now Have Lead of Nine Eggs Over Nearest Rivals.

STORRS, Conn., Aug. 28 .- Connecticut hens were not privileged to enjoy for long the honor of leading the laying contest here. Barron's English Leghorns follows:

BUREAU OF THE **NEW YORK SUNDAY SUN** THIS bureau acts as "Central" to connect buyer and seller. It tells you how, when and where to buy stock, supplies, baby chicks, eggs for hatching, &c.

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POULTRY INFORMATION BUREAU

place, with fifty-one eggs each Of the 127,070 eggs produc 49.9 per cent, have been la heavy breeds and light breeds. The fifty-two pens classed as heavy have averaged to date 1,220 eggs each, while the forty-eight pens belonging to the light breeds have longing to the light breeds have average of 1.325 eggs each. The light breeds laid 51.3 per cent, of the eggs produced during the current week, as against 48.7 per cent, for the heavy

Twenty-five individuals were credited Twenty-five individuals were credited with a perfect score of seven eggs for the week and of these twenty-two belonged to the heavy breeds. Eighty-five of the light and 13s of the heavy breis, or a total of 223 individuals, did not lay at all during the week. Thus 73.4 percent, of the heavy birds and 89.2 of the light birds are recorded as laying.

There is still quite a strong tendency

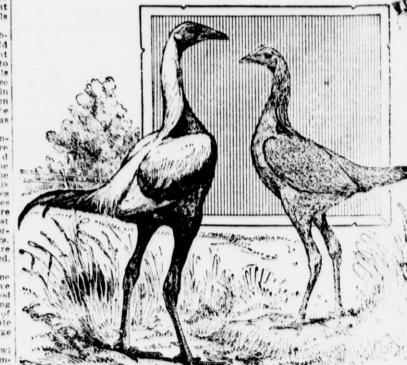
There is still quite a strong tendency There is still quite a strong tendency toward broodiness among the birds, as shown by the fact that sixty-four individuals were placed in the broody coops during the week. The records of the third contest show that a bird may go broody three, four or even five time during the year and still make a very good record and yet the ideal condition for egg production would be to have a flock with a minimum tendency to

flock with a minimum tendency

proving too much for them in the fortysecond week. The English birds now
are leading by nine eggs.

The total yield for all pens was 3,585
eggs, or forty less than for the preced-

SILVER DUCKWING GAMES



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